

TRC

February 2, 2006

TRC
21 Technology Drive
Irvine, California 92618

ATTN: MR. JOHN NORDENSTAM

SITE: FORMER 76 STATION 0353
200 SOUTH CENTRAL AVENUE
GLENDALE, CALIFORNIA

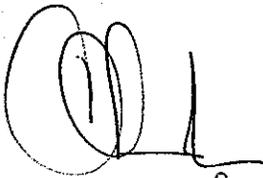
RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2006

Dear Mr. Nordenstam:

Please find enclosed our Quarterly Monitoring Report for Former 76 Station 0353, located at 200 South Central Avenue, Glendale, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC



Anju Farfan *afw*
QMS Operations Manager

Enclosures
20-0400/0353R04.QMS





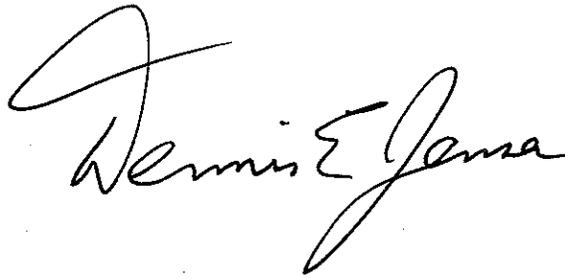
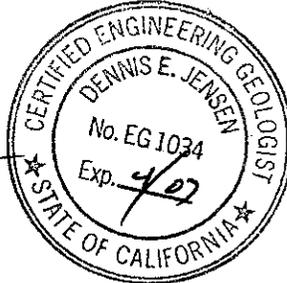
**QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2006**

FORMER 76 STATION 0353
200 South Central Avenue
Glendale, California

Prepared For:

Ms. Shari London
CONOCOPHILLIPS COMPANY
3611 Harbor Boulevard Suite 200
Santa Ana, California 92704

By:

Senior Project Geologist, Irvine Operations
February 2, 2006



LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet(s) - 1/17/06 Groundwater Sampling Field Notes - 1/17/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Disposal Documents	Disposal/Treatment Manifests - Current (Pending)
Statement	Limitations

Summary of Gauging and Sampling Activities
January 2006 through March 2006
Former 76 Station 0353
200 South Central Avenue
Glendale, CA

Project Coordinator: **Shari London**
Telephone: **714-428-7720**

Water Sampling Contractor: **TRC**
Compiled by: **Alma Montaña**

Date(s) of Gauging/Sampling Event: **01/17/06**

Sample Points

Groundwater wells: **4 onsite, 5 offsite** Wells gauged: **9** Wells sampled: **9**
Purging method: **Submersible pump**
Purge water disposal: **Crosby and Overton treatment facility**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **97.6 feet** Maximum: **99.92 feet**
Average groundwater elevation (relative to available local datum): **418.14 feet**
Average change in groundwater elevation since previous event: **1.53 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.004 ft/ft, west**
 Previous event: *** see notes below (10/11/05)**

Selected Laboratory Results

Wells with detected **Benzene**: **2** Wells above MCL (1.0 µg/l): **0**
 Maximum reported benzene concentration: **0.22J µg/l (MW-5)**

Wells with **TPPH 8260B** **0**
Wells with **MTBE** **5** Maximum: **2.0 µg/l (MW-3A)**

Notes:

* = Previous groundwater gradient appears to be internal toward MW-3A.

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Former 76 Station 0353 in January 2005. Historical data compiled prior to that time were provided by EP Associates.

Contents of Tables

Site: 0353

Table 1	Well/ Date	Depth to Water	LPH Thickness (8260B)	Ground- water Elevation	Change in elevation	TPH-G (8015B)	TPPH (TPPH 8260)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	TBA	Comments
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Table 1a	Well/ Date	DIPE	Ethanol (8260B)	ETBE	TAME	Iron Ferrous	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Pre-purge Dissolved Oxygen	Pre-purge ORP	Pre-purge Dissolved Oxygen	Pre-purge ORP	Comments
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Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in elevation	TPH-G (8015B)	TPPH (TPPH 8260)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	TBA	Comments
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Table 2a	Well/ Date	DIPE	Ethanol (8260B)	ETBE	TAME	Iron Ferric	Iron Ferrous	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Pre-purge Dissolved Oxygen	Pre-purge ORP	Pre-purge ORP	Comments
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Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

January 17, 2006

Former 76 Station 0353

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015B) (mg/l)	TPPH (TPPH 8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Comments
MW-1A															
01/17/06	517.74	99.25	0.00	418.49	1.03	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.26J	ND<10	
MW-2															
01/17/06	517.78	99.33	0.00	418.45	1.03	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-3A															
01/17/06	517.10	98.80	0.00	418.30	2.50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	2.0	ND<10	
MW-4															
01/17/06	516.50	98.29	0.00	418.21	1.88	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.25J	ND<10	
MW-5															
01/17/06	515.80	97.64	0.00	418.16	2.31	--	ND<50	0.22J	ND<1.0	ND<1.0	ND<1.0	--	0.18J	ND<10	
MW-6															
01/17/06	517.35	99.92	0.00	417.43	0.01	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-7															
01/17/06	516.88	98.75	0.00	418.13	1.61	--	ND<50	0.15J	0.18J	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-8															
01/17/06	516.26	98.12	0.00	418.14	1.72	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.25J	ND<10	
MW-9															
01/17/06	515.58	97.60	0.00	417.98	1.69	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
Former 76 Station 0353

Date Sampled	DIPE (µg/l)	Ethanol (8260B) (µg/l)	ETBE (µg/l)	TAME (µg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-1A 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-2 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-3A 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-4 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	ND<100	ND<10	19	110	220	4.85	149
MW-5 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-6 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-7 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	ND<100	7.8J	10	170	190	5.89	124
MW-8 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--
MW-9 01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

September 2004 Through January 2006

Former 76 Station 0353

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015B) (mg/l)	TPPH (TPPH 8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Comments
MW-1 (Screen Interval in feet: 90-128)															
09/02/04	--	--	--	--	--	0.019	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	27.7	ND<50	
09/10/04	518.79	102.70	0.00	416.09	--	--	--	--	--	--	--	--	--	--	
01/04/05	518.79	103.02	0.00	415.77	-0.32	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
05/09/05	518.79	101.85	0.00	416.94	1.17	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.23J	ND<50	
07/05/05	518.79	101.29	0.00	417.50	0.56	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-1A (Screen Interval in feet: DNA)															
10/11/05	517.74	100.28	0.00	417.46	--	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	2.4	ND<10	
01/17/06	517.74	99.25	0.00	418.49	1.03	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.26J	ND<10	
MW-2 (Screen Interval in feet: 90-119)															
09/02/04	--	--	--	--	--	0.013	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	14.9	ND<50	
09/10/04	518.18	102.30	0.00	415.88	--	--	--	--	--	--	--	--	--	--	
01/04/05	518.18	102.59	0.00	415.59	-0.29	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
05/09/05	518.18	101.58	0.00	416.60	1.01	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.57J	ND<50	
07/05/05	518.18	101.08	0.00	417.10	0.50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
10/11/05	517.78	100.36	0.00	417.42	0.32	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.38J	ND<10	
01/17/06	517.78	99.33	0.00	418.45	1.03	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-3 (Screen Interval in feet: 90-119)															
09/02/04	--	--	--	--	--	0.185	--	2.6	ND<1.0	0.5J	ND<3.0	--	217	ND<50	
09/10/04	517.76	101.86	0.00	415.90	--	--	--	--	--	--	--	--	--	--	
01/04/05	517.76	102.15	0.00	415.61	-0.29	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	18.7	ND<50	
05/09/05	517.76	100.95	0.00	416.81	1.20	--	32J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	21	ND<50	
07/05/05	517.76	100.42	0.00	417.34	0.53	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	2.6	ND<10	
MW-3A (Screen Interval in feet: DNA)															

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

September 2004 Through January 2006

Former 76 Station 0353

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015B) (mg/l)	TPPH (TPPH 8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Comments
MW-3A continued															
10/11/05	517.10	101.30	0.00	415.80	--	--	33J	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	50	ND<10	
01/17/06	517.10	98.80	0.00	418.30	2.50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	2.0	ND<10	
MW-4 (Screen Interval in feet: 80-119)															
09/02/04	--	--	--	--	--	0.033	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	44.5	ND<50	
09/10/04	517.31	102.20	0.00	415.11	--	--	--	--	--	--	--	--	--	--	
01/04/05	517.31	101.51	0.00	415.80	0.69	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
05/09/05	517.31	100.30	0.00	417.01	1.21	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.32J	ND<50	
07/05/05	517.31	99.85	0.00	417.46	0.45	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.20J	ND<10	
10/11/05	516.50	100.17	0.00	416.33	-1.13	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
01/17/06	516.50	98.29	0.00	418.21	1.88	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.25J	ND<10	
MW-5 (Screen Interval in feet: 90-119)															
09/02/04	--	--	--	--	--	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
09/10/04	516.85	100.63	0.00	416.22	--	--	--	--	--	--	--	--	--	--	
01/04/05	516.85	100.93	0.00	415.92	-0.30	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
05/09/05	516.85	99.90	0.00	416.95	1.03	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.16J	ND<50	
07/05/05	516.85	99.33	0.00	417.52	0.57	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.23J	ND<10	
10/11/05	515.80	99.95	0.00	415.85	-1.67	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
01/17/06	515.80	97.64	0.00	418.16	2.31	--	ND<50	0.22J	ND<1.0	ND<1.0	ND<1.0	--	0.18J	ND<10	
MW-6 (Screen Interval in feet: DNA)															
09/10/04	517.32	102.17	0.00	415.15	--	--	--	--	--	--	--	--	--	--	
01/04/05	517.32	102.17	0.00	415.15	0.00	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	8.0	ND<50	
05/09/05	517.32	101.03	0.00	416.29	1.14	--	92	2.5	3.6	3.5	11	--	ND<2.0	ND<50	
07/05/05	517.32	99.62	0.00	417.70	1.41	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	1.2J	ND<10	

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

September 2004 Through January 2006

Former 76 Station 0353

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015B) (mg/l)	TPH (TPH 8260) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/l)	Comments
MW-6 continued															
10/11/05	517.35	99.93	0.00	417.42	-0.28	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	1.8J	ND<10	
01/17/06	517.35	99.92	0.00	417.43	0.01	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-7 (Screen Interval in feet: 90-120)															
09/10/04	516.78	101.92	0.00	414.86	--	--	--	--	--	--	--	--	--	--	
01/04/05	516.78	101.92	0.00	414.86	0.00	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	2.0	ND<50	
05/09/05	516.78	100.75	0.00	416.03	1.17	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.22J	ND<50	
07/05/05	516.78	100.08	0.00	416.70	0.67	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
10/11/05	516.88	100.36	0.00	416.52	-0.18	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
01/17/06	516.88	98.75	0.00	418.13	1.61	--	ND<50	0.15J	0.18J	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
MW-8 (Screen Interval in feet: 90-119)															
09/10/04	516.14	100.32	0.00	415.82	--	--	--	--	--	--	--	--	--	--	
01/04/05	516.14	100.32	0.00	415.82	0.00	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	1.2	ND<50	
05/09/05	516.14	100.15	0.00	415.99	0.17	--	89	4.1	3.3	0.65J	14	--	0.16J	ND<50	
07/05/05	516.14	99.51	0.00	416.63	0.64	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.20J	ND<10	
10/11/05	516.26	99.84	0.00	416.42	-0.21	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
01/17/06	516.26	98.12	0.00	418.14	1.72	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	0.25J	ND<10	
MW-9 (Screen Interval in feet: DNA)															
09/10/04	515.50	100.82	0.00	414.68	--	--	--	--	--	--	--	--	--	--	
01/04/05	515.50	100.82	0.00	414.68	0.00	ND<0.010	--	ND<1.0	ND<1.0	ND<1.0	ND<3.0	--	ND<1.0	ND<50	
05/09/05	515.50	99.68	0.00	415.82	1.14	--	85	2.5	3.6	3.3	10	--	ND<2.0	ND<50	
07/05/05	515.50	99.00	0.00	416.50	0.68	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
10/11/05	515.58	99.29	0.00	416.29	-0.21	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	
01/17/06	515.58	97.60	0.00	417.98	1.69	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<2.0	ND<10	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 0353

Date Sampled	DIPE (µg/l)	Ethanol (8260B) (µg/l)	ETBE (µg/l)	TAME (µg/l)	Iron Ferric (µg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-1												
09/02/04	ND<1.0	ND<500	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-1A												
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-2												
09/02/04	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-3												
09/02/04	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	190	2.6J	8.2	150	270	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	4900	120	ND<10	7.8	140	250	6.31	66
MW-3A												
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-4												
09/02/04	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--

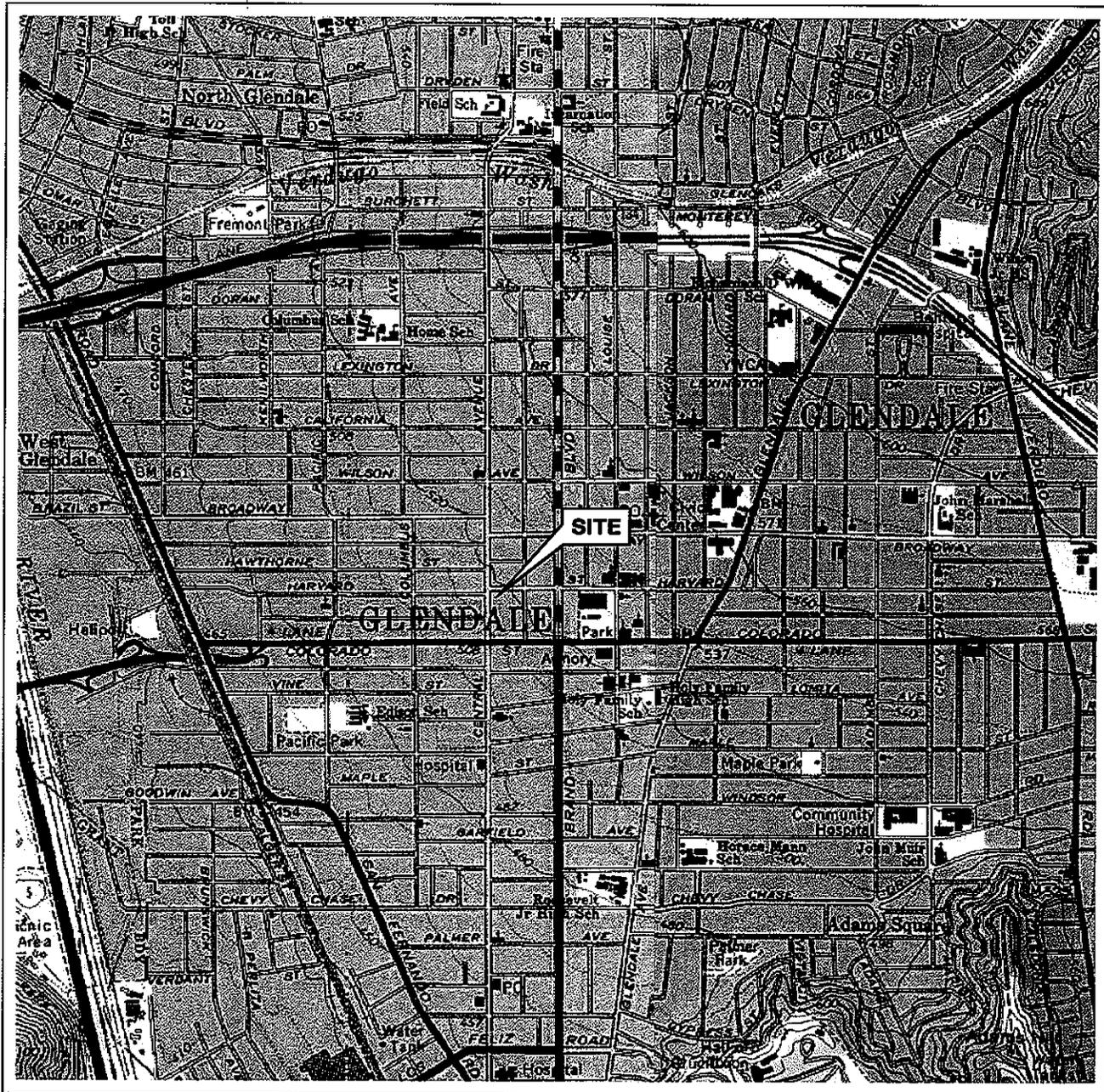
Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 0353

Date Sampled	DIPE (µg/l)	Ethanol (8260B) (µg/l)	ETBE (µg/l)	TAME (µg/l)	Iron Ferric (µg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-4 continued												
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	310	2.2J	21	130	340	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	20000	100	ND<10	21	130	200	4.72	80
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	150	ND<10	21	120	91	4.59	68
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	ND<100	ND<10	19	110	220	4.85	149
MW-5												
09/02/04	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-6												
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-7												
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	690	30	10	170	390	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	11000	110	ND<10	9.7	170	190	6.10	96
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	180	5.5J	9.2	170	110	5.89	74
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	ND<100	7.8J	10	170	190	5.89	124
MW-8												
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former 76 Station 0353

Date Sampled	DIPE (µg/l)	Ethanol (8260B) (µg/l)	ETBE (µg/l)	TAME (µg/l)	Iron Ferric (µg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-8 continued												
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
MW-9												
01/04/05	ND<1.0	ND<1000	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
05/09/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
07/05/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
10/11/05	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/17/06	ND<2.0	ND<1000	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Pasadena Quadrangle



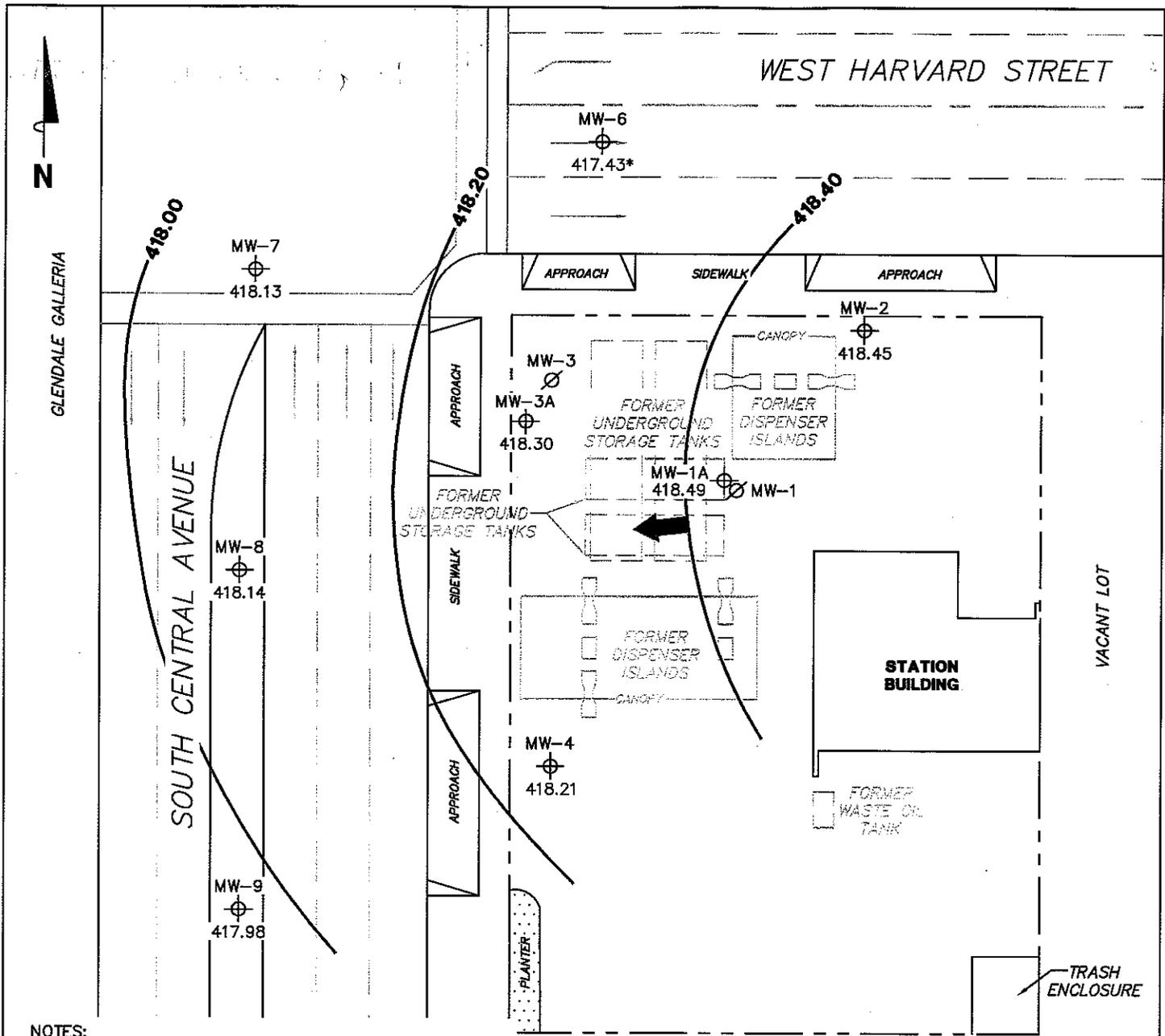
VICINITY MAP

Former 76 Station 0353
200 South Central Avenue
Glendale, California

TRC

FIGURE 1

PS = 1:1



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. * = not included in groundwater contour interpretation.

LEGEND

- MW-9 ⊕ Monitoring Well with Groundwater Elevation (feet)
- 418.40 — Groundwater Elevation Contour
- ➔ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
January 17, 2006

Former 76 Station 0353
 200 South Central Avenue
 Glendale, California

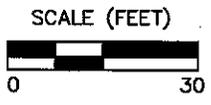


FIGURE 2

PS=1:1 0353-003



GLENDALE GALLERIA

SOUTH CENTRAL AVENUE

WEST HARVARD STREET

MW-7
ND<50

MW-6
ND<50

APPROACH

SIDEWALK

APPROACH

MW-2
ND<50

MW-3
ND<50

MW-3A
ND<50

MW-1A
ND<50

MW-1

FORMER UNDERGROUND STORAGE TANKS

FORMER DISPENSER ISLANDS

STATION BUILDING

VACANT LOT

MW-8
ND<50

SIDEWALK

APPROACH

MW-4
ND<50

FORMER WASTE OIL TANK

MW-9
ND<50

PLANTER

TRASH ENCLOSURE

VACANT LOT

MW-5
ND<50

NOTES:

TPPH = total purgeable petroleum hydrocarbons.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Results obtained using EPA Method 8260B.

LEGEND

MW-9  Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATION MAP
January 17, 2006

Former 76 Station 0353
200 South Central Avenue
Glendale, California

TRC

SCALE (FEET)



FIGURE 3

PS=1:1 0353-003



GLENDALE GALLERIA

SOUTH CENTRAL AVENUE

WEST HARVARD STREET

MW-7
ND<1.0
0.15J

MW-6
ND<1.0

APPROACH

SIDEWALK

APPROACH

MW-2
ND<1.0

MW-3
ND<1.0

MW-3A
ND<1.0

MW-1A
ND<1.0

MW-1

MW-8
ND<1.0

FORMER UNDERGROUND STORAGE TANKS

FORMER DISPENSER ISLANDS

MW-4
ND<1.0

STATION BUILDING

FORMER WASTE OIL TANK

MW-9
ND<1.0

PLANTER

TRASH ENCLOSURE

MW-5
0.22J

VACANT LOT

VACANT LOT

NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

LEGEND

MW-9 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
January 17, 2005

Former 76 Station 0353
200 South Central Avenue
Glendale, California

TRC

SCALE (FEET)



FIGURE 4

PS=1:1 0353-003



LENDALE GALLERIA

SOUTH CENTRAL AVENUE

WEST HARVARD STREET

MW-7
ND < 2.0

MW-6
ND < 2.0

APPROACH

SIDEWALK

APPROACH

MW-2
ND < 2.0

APPROACH

MW-3
2.0

MW-3A
2.0

CANOPY

FORMER UNDERGROUND STORAGE TANKS

FORMER DISPENSER ISLANDS

FORMER UNDERGROUND STORAGE TANKS

MW-1A
0.26J

MW-1

SIDEWALK

MW-8
0.25J

FORMER DISPENSER ISLANDS

STATION BUILDING

VACANT LOT

MW-4
0.25J

FORMER WASTE OIL TANK

MW-9
ND < 2.0

APPROACH

PLANTER

TRASH ENCLOSURE

VACANT LOT

MW-5
0.18J

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL). Results obtained using EPA Method 8260B.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)

1.0 Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
January 17, 2006

Former 76 Station 0353
200 South Central Avenue
Glendale, California

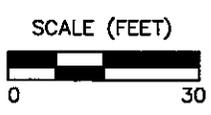
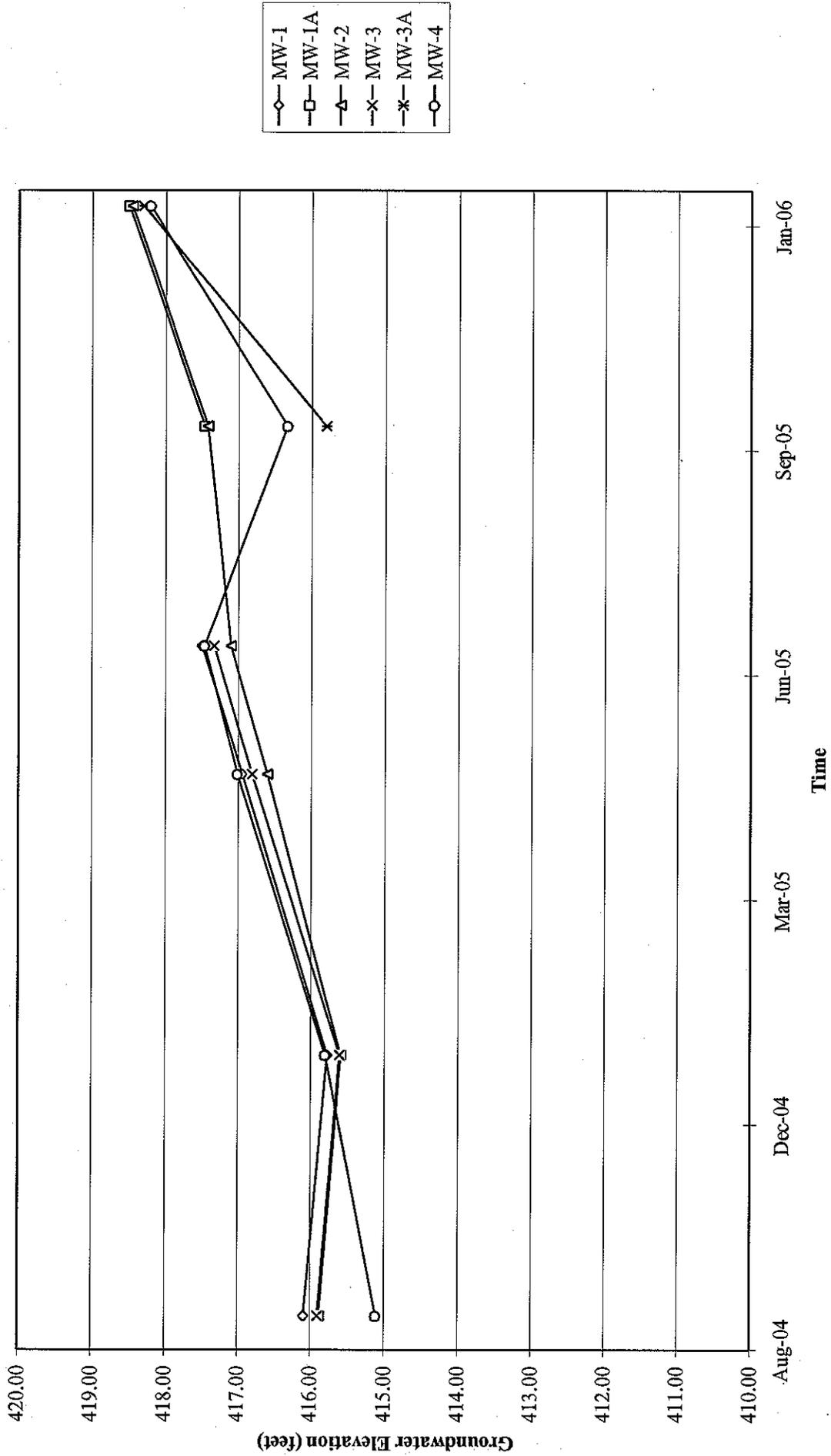


FIGURE 5

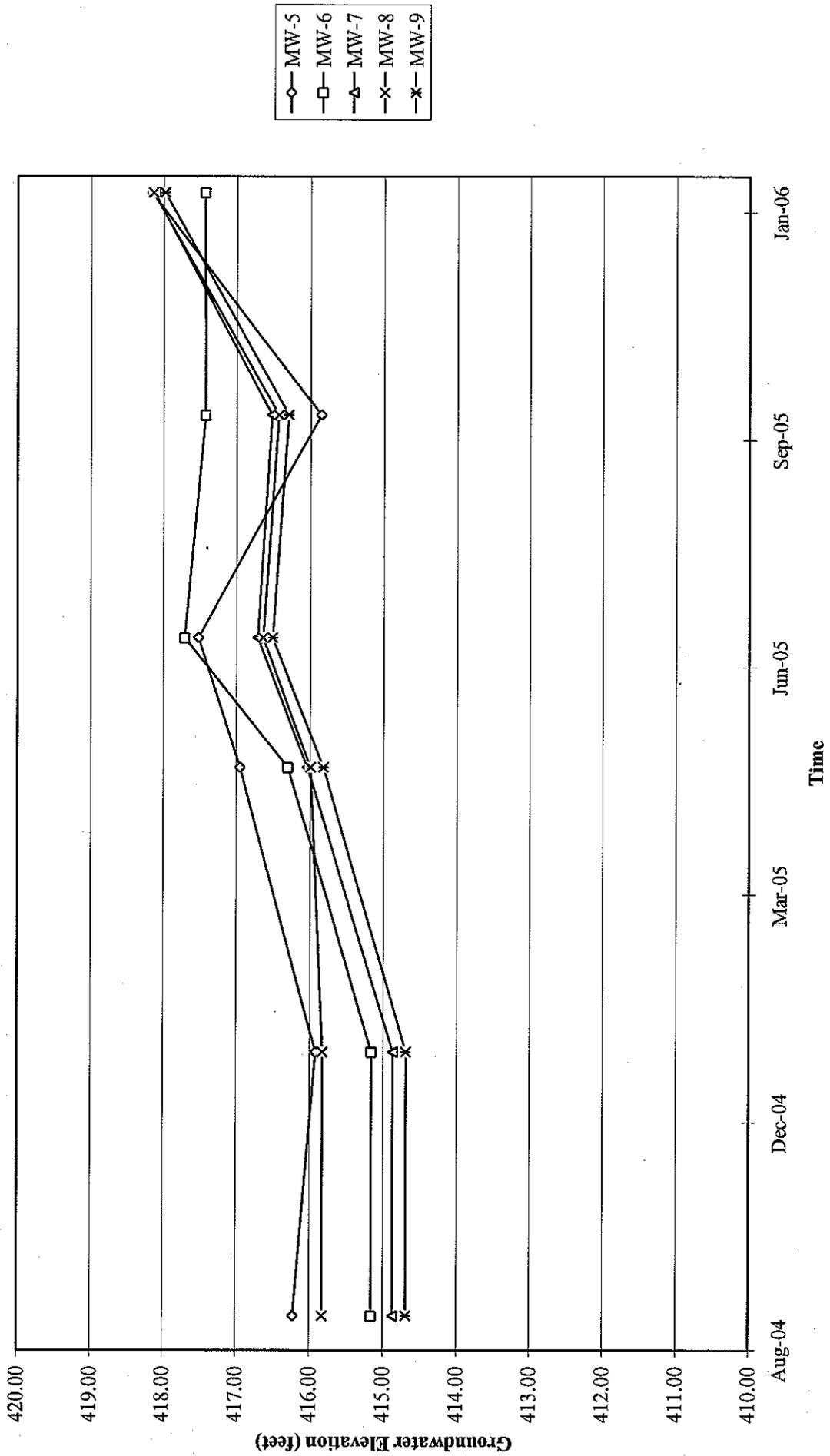
PS=1:1 0353-003

GRAPHS

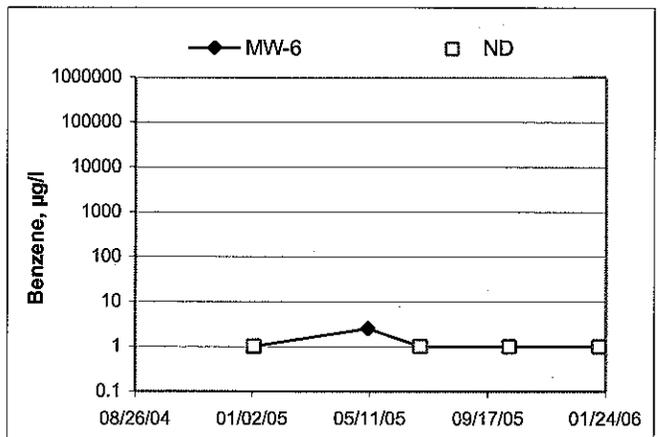
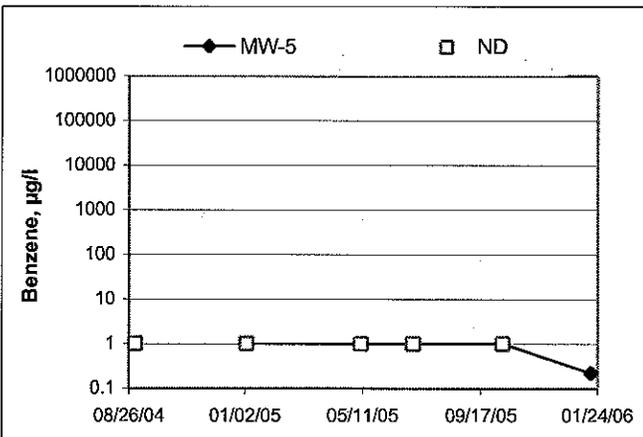
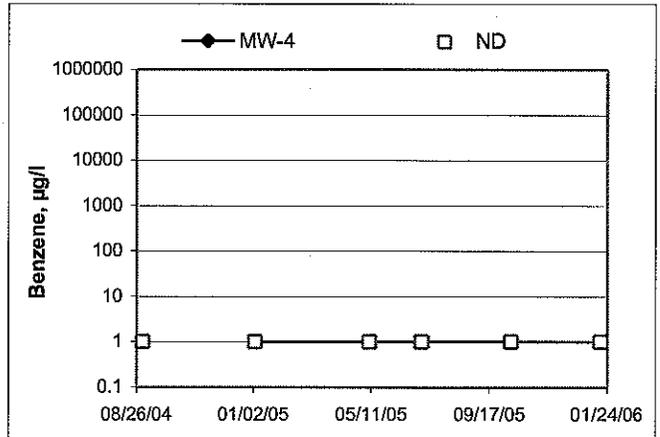
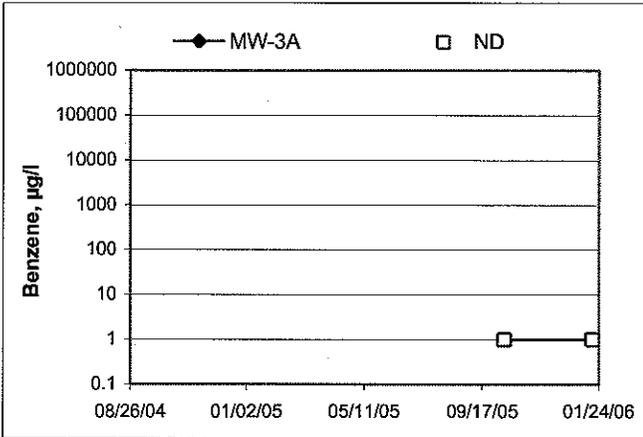
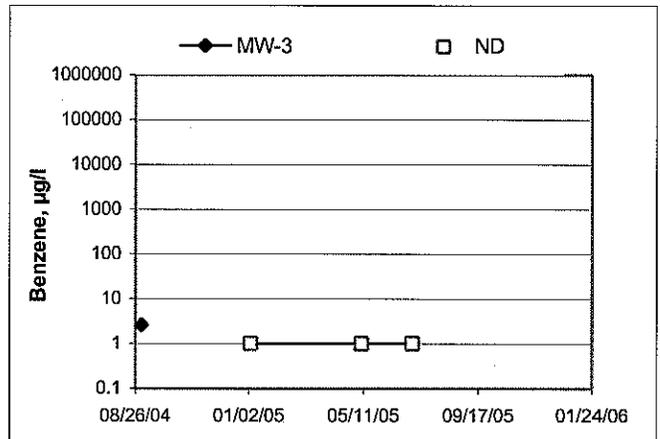
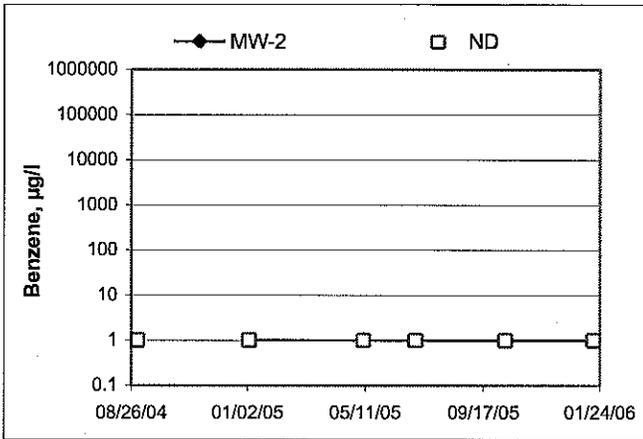
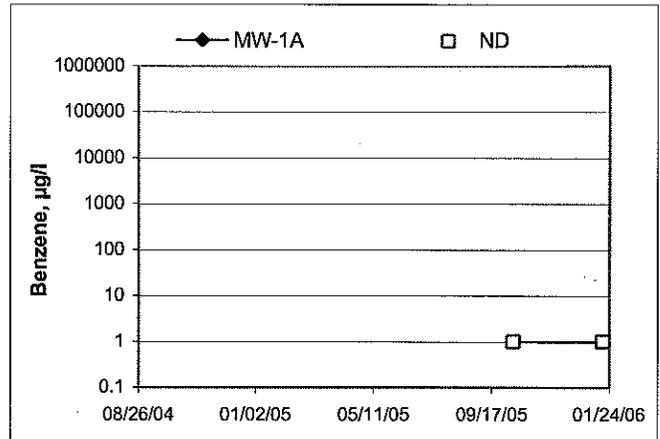
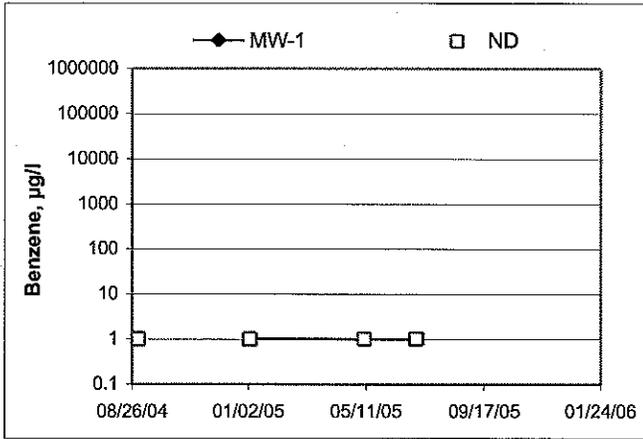
Groundwater Elevations vs. Time
Former 76 Station 0353



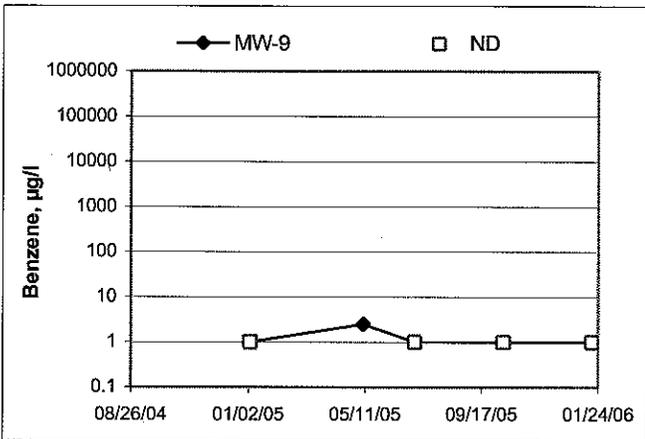
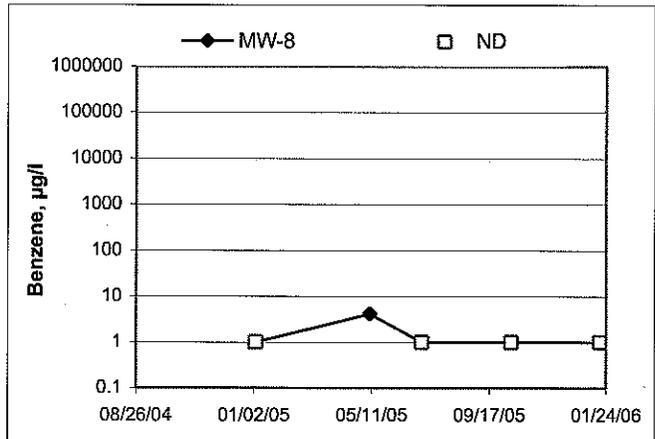
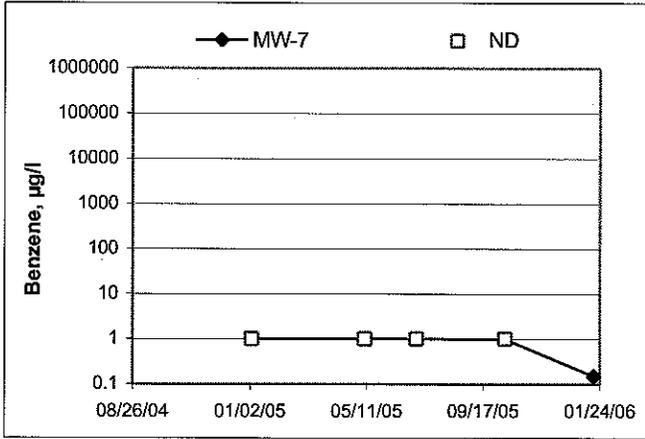
Groundwater Elevations vs. Time
Former 76 Station 0353



Benzene Concentrations vs Time Former 76 Station 0353



Benzene Concentrations vs Time
Former 76 Station 0353



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Thomas Velazquez

Site: 0353

Project No.: 700-400-831 FA20

Date: 01-17-06

Well No. MW-9

Purge Method: SUB-1

Depth to Water (feet): 97.60

Depth to Product (feet): 0

Total Depth (feet): 119.80

LPH & Water Recovered (gallons): 0

Water Column (feet): 22.2

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.04

1 Well Volume (gallons): 14

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity
0626			14	973	20.6	7.65			
			28	981	21.0	7.60			
	0653		42	984	21.2	7.64			
Static at Time Sampled			Total Gallons Purged			Sample Time			
99.45			42			0658			
Comments:									

Well No. MW-7

Purge Method: SUB-2

Depth to Water (feet): 98.75

Depth to Product (feet): 0

Total Depth (feet): 119.85

LPH & Water Recovered (gallons): 0

Water Column (feet): 21.1

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.97

1 Well Volume (gallons): 14

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity P.H.
0711			14	968	20.5	7.26			
	0736		28	965	20.8	7.23			
			42	-	-	-	5.89	124	7.22
Static at Time Sampled		Total Gallons Purged			Sample Time				
98.79		28			0945				
Comments:									
*									

GROUNDWATER SAMPLING FIELD NOTES

Technician: Thomas Velazquez

Site: 0353

Project No.: 200-400-83/FAZO

Date: 01-17-06

Well No. mw-5

Purge Method: SUB-1

Depth to Water (feet): 97.64

Depth to Product (feet): 0

Total Depth (feet) 120.11

LPH & Water Recovered (gallons): 0

Water Column (feet): 22.47

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.13

1 Well Volume (gallons): 15

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0749			15	988	21.4	7.13			
			30	990	21.6	7.18			
	0819		45	995	22.0	7.20			
Static at Time Sampled		Total Gallons Purged		Sample Time					
97.75		45		0828					
Comments:									

Well No. MW-6

Purge Method: SUB-1

Depth to Water (feet): 99.92

Depth to Product (feet): 0

Total Depth (feet) 120.15

LPH & Water Recovered (gallons): 0

Water Column (feet): 20.23

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 103.96

1 Well Volume (gallons): 13

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0835			13	958	21.0	7.08			
			26	963	21.2	7.11			
	0851		39	960	21.8	7.10			
Static at Time Sampled		Total Gallons Purged		Sample Time					
99.01		39		0858					
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: Thomas Velazquez

Site: 0353

Project No.: 200-400-83/FA20

Date: 01-17-06

Well No. MW-2

Purge Method: SUB-1

Depth to Water (feet): 99.33

Depth to Product (feet): 0

Total Depth (feet) 120.49

LPH & Water Recovered (gallons): 0

Water Column (feet): 21.16

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 103.56

1 Well Volume (gallons): 14

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity
0903			14	917	20.8	7.10			
			28	916	21.3	7.07			
	0920		42	915	21.2	7.12			
Static at Time Sampled			Total Gallons Purged			Sample Time			
99.36			42			0932			
Comments:									

Well No. _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet) _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth(feet): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O.	ORP	Turbidity
Static at Time Sampled			Total Gallons Purged			Sample Time			
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: ES

Site: 0353

Project No.: 2004083

Date: 11/17/06

Well No. MW-8

Purge Method: Sub #1

Depth to Water (feet): 98.12

Depth to Product (feet): 0

Total Depth (feet): 118.91

LPH & Water Recovered (gallons): 0

Water Column (feet): 20.79

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.27

1 Well Volume (gallons): 19

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity	
0617			14	947	20.3	6.83				
			28	949	20.8	6.90				
	0637		42	959	21.0	6.92				
Static at Time Sampled		Total Gallons Purged			Sample Time					
		98.19			42			0647		
Comments:										

Well No. MW-4

Purge Method: Sub #1

Depth to Water (feet): 98.29

Depth to Product (feet): 0

Total Depth (feet): 119.50

LPH & Water Recovered (gallons): 0

Water Column (feet): 21.21

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.53

1 Well Volume (gallons): 19

①
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Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity	
0654			14	6.86 942	20.1	6.86	4.85	149		
			28	940	21.1	6.86				
	0714		42	9.45	21.4	6.88				
Static at Time Sampled		Total Gallons Purged			Sample Time					
		98.29			42			0730		
Comments:										

GROUNDWATER SAMPLING FIELD NOTES

Technician: ES

Site: 0353

Project No.: 20040083

Date: 1/17/06

Well No. MW-1A

Purge Method: Sub # 1

Depth to Water (feet): 99.25

Depth to Product (feet): 0

Total Depth (feet): 113.90

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.65

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.18

1 Well Volume (gallons): 10

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0738			10	958	20.8	7.08			
			20	983	20.3	7.31			
	0757		30	997	20.6	7.43			
Static at Time Sampled		Total Gallons Purged			Sample Time				
99.28		30			0843				
Comments:									

Well No. MW-3A

Purge Method: Sub # 1 ②

Depth to Water (feet): 98.80

Depth to Product (feet): 0

Total Depth (feet): 115.02

LPH & Water Recovered (gallons): 0

Water Column (feet): 16.22

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 102.04

1 Well Volume (gallons): 11

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O.	ORP	Turbidity
0805			11	993	19.6	7.01			
			22	969	21.1	6.99			
	0826		33	966	21.5	6.98			
Static at Time Sampled		Total Gallons Purged			Sample Time				
98.84		33			0900				
Comments:									



Date of Report: 01/30/2006

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 0353

BC Lab Number: 0600544

Enclosed are the results of analyses for samples received by the laboratory on 01/17/06 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Hooker", written over a horizontal line.

Contact Person: Vanessa Hooker

Client Service Rep

A handwritten signature in black ink, written over a horizontal line.

Authorized Signature



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [None]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0600544-01 ---
 COC Number: 0353
 Project Number: MW-9
 Sampling Location: MW-9
 Sampling Point: Thomas Velazquez of TRCI
 Sampled By:
 Receive Date: 01/17/06 16:15
 Sampling Date: 01/17/06 06:58
 Sample Depth: ---
 Sample Matrix: Water
 Delivery Work Order (LabW): CS
 Global ID: T0603728619
 Matrix: W
 Sample QC Type (SACode): Cooler ID:

0600544-02 ---
 COC Number: 0353
 Project Number: MW-7
 Sampling Location: MW-7
 Sampling Point: Thomas Velazquez of TRCI
 Sampled By:
 Receive Date: 01/17/06 16:15
 Sampling Date: 01/17/06 09:45
 Sample Depth: ---
 Sample Matrix: Water
 Delivery Work Order (LabW): CS
 Global ID: T0603728619
 Matrix: W
 Sample QC Type (SACode): Cooler ID:

0600544-03 ---
 COC Number: 0353
 Project Number: MW-5
 Sampling Location: MW-5
 Sampling Point: Thomas Velazquez of TRCI
 Sampled By:
 Receive Date: 01/17/06 16:15
 Sampling Date: 01/17/06 08:28
 Sample Depth: ---
 Sample Matrix: Water
 Delivery Work Order (LabW): CS
 Global ID: T0603728619
 Matrix: W
 Sample QC Type (SACode): Cooler ID:

0600544-04 ---
 COC Number: 0353
 Project Number: MW-6
 Sampling Location: MW-6
 Sampling Point: Thomas Velazquez of TRCI
 Sampled By:
 Receive Date: 01/17/06 16:15
 Sampling Date: 01/17/06 08:58
 Sample Depth: ---
 Sample Matrix: Water
 Delivery Work Order (LabW): CS
 Global ID: T0603728619
 Matrix: W
 Sample QC Type (SACode): Cooler ID:

0600544-05 ---
 COC Number: 0353
 Project Number: MW-2
 Sampling Location: MW-2
 Sampling Point: Thomas Velazquez of TRCI
 Sampled By:
 Receive Date: 01/17/06 16:15
 Sampling Date: 01/17/06 09:32
 Sample Depth: ---
 Sample Matrix: Water
 Delivery Work Order (LabW): CS
 Global ID: T0603728619
 Matrix: W
 Sample QC Type (SACode): Cooler ID:



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0600544-06
COC Number: ---
Project Number: 0353
Sampling Location: MW-8
Sampling Point: MW-8
Sampled By: Eduardo Sanchez of TRCI

Receive Date: 01/17/06 16:15
Sampling Date: 01/17/06 06:47
Sample Depth: ---
Sample Matrix: Water

Delivery Work Order (LabW):
Global ID: T0603728619
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0600544-07
COC Number: ---
Project Number: 0353
Sampling Location: MW-4
Sampling Point: MW-4
Sampled By: Eduardo Sanchez of TRCI

Receive Date: 01/17/06 16:15
Sampling Date: 01/17/06 07:30
Sample Depth: ---
Sample Matrix: Water

Delivery Work Order (LabW):
Global ID: T0603728619
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0600544-08
COC Number: ---
Project Number: 0353
Sampling Location: MW-1A
Sampling Point: MW-1A
Sampled By: Eduardo Sanchez of TRCI

Receive Date: 01/17/06 16:15
Sampling Date: 01/17/06 08:43
Sample Depth: ---
Sample Matrix: Water

Delivery Work Order (LabW):
Global ID: T0603728619
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0600544-09
COC Number: ---
Project Number: 0353
Sampling Location: MW-3A
Sampling Point: MW-3A
Sampled By: Eduardo Sanchez of TRCI

Receive Date: 01/17/06 16:15
Sampling Date: 01/17/06 09:00
Sample Depth: ---
Sample Matrix: Water

Delivery Work Order (LabW):
Global ID: T0603728619
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-01 Client Sample Name: 0353_MW-9, MW-9, 1/17/2006 6:58:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep Run		Analyst	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Time					
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Methyl t-butyl ether	ND	ug/L	2.0	0.15	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	16:58	sdu	1	BPA0857	ND	
1,2-Dichloroethane-d4 (Surrogate)	88.3	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	16:58	sdu	1	BPA0857		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	16:58	sdu	1	BPA0857		
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	16:58	sdu	1	BPA0857		



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-02 Client Sample Name: 0353, MW-7, MW-7, 1/17/2006 9:45:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep Run		Analyst	Dilution	QC	MB	Lab
						Date	Time					
Benzene	0.15	ug/L	1.0	0.12	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	J
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Methyl t-butyl ether	ND	ug/L	2.0	0.15	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Toluene	0.18	ug/L	1.0	0.15	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	J
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.9	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857		
4-Bromofluorobenzene (Surrogate)	107	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	14:48	sdu	MS-V12 1	BPA0857		



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (General Chemistry)

BCL Sample ID: 0600544-02 Client Sample Name: 0353, MW-7, MW-7, 1/17/2006 9:45:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep		Run		Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Date	Date/Time	Analyst					
Total Alkalinity as CaCO3	190	mg/L	5.0	5.0	EPA-310.1	01/24/06	01/24/06	13:30	MAR	BDB	2	BPA1058	1.9	A01
Nitrate as N	10	mg/L	0.10	0.012	EPA-300.0	01/18/06	01/18/06	14:46	NTN	IC2	1	BPA0703	ND	
Sulfate	170	mg/L	1.0	0.12	EPA-300.0	01/18/06	01/18/06	14:46	NTN	IC2	1	BPA0703	ND	
Iron (III) Species	17000	ug/L	100	100	Calc	01/20/06	01/30/06	11:37	MSA	Calc	1	BPA0876	ND	
Iron (II) Species	ND	ug/L	100	100	SM-3500-F	01/18/06	01/18/06	08:15	MV1	SPEC05	1	BPA0742	ND	



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21 Technology Drive
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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (Metals)

BCL Sample ID: 0600544-02 | Client Sample Name: 0353, MW-7, MW-7, 1/17/2006 9:45:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep Run		Instru-ment ID	Analyst	Dilution	Batch ID	MB Bias	Lab Quals
						Date	Date/Time						
Manganese	7.8	ug/L	10	5.3	EPA-6010B	01/25/06	14:13	ARD	PE-OP1	1	BPA1057	ND	J



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-03 Client Sample Name: 0353, MW-5, MW-5, 1/17/2006 8:28:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	MB Bias	Lab	Quals
Benzene	0.22	ug/L	1.0	0.12	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND	J	
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Methyl t-butyl ether	0.18	ug/L	2.0	0.15	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND	J	
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857	ND		
1,2-Dichloroethane-d4 (Surrogate)	89.9	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857			
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857			
4-Bromofluorobenzene (Surrogate)	107	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	01/19/06 21:43	sdu	MS-V12	1	BPA0857			



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-04 Client Sample Name: 0353, MW-6, MW-6, 1/17/2006 8:58:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep		Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab
						Date	Date									
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Methyl t-butyl ether	ND	ug/L	2.0	0.15	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857	ND	ND		
1,2-Dichloroethane-d4 (Surrogate)	88.5	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857				
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857				
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	22:05	sdu	MS-V12	1	BPA0857				



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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-05 Client Sample Name: 0353, MW-2, MW-2, 1/17/2006 9:32:00AM, Thomas Velazquez

Constituent	Result	Units	PQL	MDL	Method	Prep		Date	Run	Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Time									
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Methyl t-butyl ether	ND	ug/L	2.0	0.15	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857	ND	ND	
1,2-Dichloroethane-d4 (Surrogate)	90.0	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857			
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857			
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	23:54	01/19/06	23:54	sdu	MS-V12	1	BPA0857			



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-06 Client Sample Name: 0353, MW-8, MW-8, 1/17/2006 6:47:00AM, Eduardo Sanchez

Constituent	Result	Units	PQL	MDL	Method	Prep		Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	QC	MB Bias	Lab	Quals
						Date	Time										
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Methyl t-butyl ether	0.25	ug/L	2.0	0.15	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		J
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857		ND		
1,2-Dichloroethane-d4 (Surrogate)	88.7	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857				
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857				
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	22:27	01/19/06	22:27	sdu	MS-V12	1	BPA0857				

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Volatile Organic Analysis (EPA Method 8260)

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Dilution	QC	MB	Lab
						Date	Run					
BCL Sample ID: 0600544-07 Client Sample Name: 0353, MW-4, MW-4, 1/17/2006 7:30:00AM, Eduardo Sanchez												
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Methyl t-butyl ether	0.25	ug/L	2.0	0.15	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	J
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	ND
1,2-Dichloroethane-d4 (Surrogate)	88.0	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	sdu	MS-V12	1	BPA0857	



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Water Analysis (General Chemistry)

BC L Sample ID: 0600544-07 Client Sample Name: 0353, MW-4, MW-4, 1/17/2006 7:30:00AM, Eduardo Sanchez

Constituent	Result	Units	PQL	MDL	Method	Prep		Date	Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Run	Run								
Total Alkalinity as CaCO3	220	mg/L	5.0	5.0	EPA-310.1	01/24/06	01/24/06	13:30	MAR	BDB	BDB	2	BPA1058	1.9	A01
Nitrate as N	19	mg/L	0.10	0.012	EPA-300.0	01/18/06	01/18/06	15:05	NTN	IC2	IC2	1	BPA0703	ND	
Sulfate	110	mg/L	1.0	0.12	EPA-300.0	01/18/06	01/18/06	15:05	NTN	IC2	IC2	1	BPA0703	ND	
Iron (III) Species	5400	ug/L	100	100	Calc	01/20/06	01/30/06	11:37	MSA	Calc	Calc	1	BPA0876	ND	
Iron (II) Species	ND	ug/L	100	100	SM-3500-Fc	01/18/06	01/18/06	08:15	MV1	SPEC05	SPEC05	1	BPA0742	ND	

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Water Analysis (Metals)

BCL Sample ID: 0600544-07 | **Client Sample Name:** 0353, MW-4, MW-4, 1/17/2006 7:30:00AM, Eduardo Sanchez

Constituent	Result	Units	PQL	MDL	Method	Prep		Date	Date/Time	Run	Instru-	Analyst	ment ID	Dilution	Batch ID	QC	MB	Bias	Lab	Quals	
						ment ID	ment ID														
Manganese	ND	ug/L	10	5.3	EPA-6010B	01/25/06	01/25/06	14:18	ARD	PE-OP1	1	BPA1057	ND								



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-08 Client Sample Name: 0353, MW-1A, MW-1A, 1/17/2006 8:43:00AM, Eduardo Sanchez

Constituent	Result	Units	PQL	MDL	Method	Prep		Date	Run Date/Time	Analyst	ment ID	Dilution	Batch ID	QC	MB	Lab
						Date	Run									
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Methyl t-butyl ether	0.26	ug/L	2.0	0.15	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		J
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857		ND		
1,2-Dichloroethane-d4 (Surrogate)	87.6	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857				
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857				
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	01/19/06	23:10	sdu	MS-V12	1	BPA0857				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0600544-09 Client Sample Name: 0353, MW-3A, MW-3A, 1/17/2006 9:00:00AM, Eduardo Sanchez

Constituent	Result	Units	PQL	MDL	Method	Prep		Run	Date	Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	QC	MB	Lab
						Date	Time										
Benzene	ND	ug/L	1.0	0.12	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Ethylbenzene	ND	ug/L	1.0	0.13	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Methyl t-butyl ether	2.0	ug/L	2.0	0.15	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Toluene	ND	ug/L	1.0	0.15	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Total Xylenes	ND	ug/L	1.0	0.40	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
t-Amyl Methyl ether	ND	ug/L	2.0	0.31	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
t-Butyl alcohol	ND	ug/L	10	10	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Diisopropyl ether	ND	ug/L	2.0	0.25	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Ethanol	ND	ug/L	1000	110	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Ethyl t-butyl ether	ND	ug/L	2.0	0.27	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	23	EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857	ND	ND		
1,2-Dichloroethane-d4 (Surrogate)	89.2	%	76 - 114 (LCL - UCL)		EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857				
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857				
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	01/19/06	23:32	01/19/06	23:32	sdu	MS-V12	1	BPA0857				

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Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source		Result	Spike Added	Units	RPD	Control Limits	
				Result	Result					Percent Recovery	Percent Recovery
Benzene	BPA0857	BPA0857-MS1	Matrix Spike	ND	ND	28.230	25.000	ug/L	0.881	113	70 - 130
		BPA0857-MSD1	Matrix Spike Duplicate	ND	ND	28.580	25.000	ug/L	0.881	114	70 - 130
Toluene	BPA0857	BPA0857-MS1	Matrix Spike	ND	ND	28.430	25.000	ug/L	1.74	114	70 - 130
		BPA0857-MSD1	Matrix Spike Duplicate	ND	ND	28.880	25.000	ug/L	1.74	116	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BPA0857	BPA0857-MS1	Matrix Spike	ND	ND	8.8100	10.000	ug/L		88.1	76 - 114
		BPA0857-MSD1	Matrix Spike Duplicate	ND	ND	10.240	10.000	ug/L		102	76 - 114
Toluene-d8 (Surrogate)	BPA0857	BPA0857-MS1	Matrix Spike	ND	ND	10.070	10.000	ug/L		101	88 - 110
		BPA0857-MSD1	Matrix Spike Duplicate	ND	ND	10.030	10.000	ug/L		100	88 - 110
4-Bromofluorobenzene (Surrogate)	BPA0857	BPA0857-MS1	Matrix Spike	ND	ND	10.510	10.000	ug/L		105	86 - 115
		BPA0857-MSD1	Matrix Spike Duplicate	ND	ND	10.420	10.000	ug/L		104	86 - 115



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Water Analysis (General Chemistry) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source		Result	Spike Added	Units	RPD	Control Limits	
				Result	Result					Percent Recovery	Percent Recovery Lab Quals
Nitrate as N	BPA0703	BPA0703-DUP1	Duplicate	0.91200	0.91000	0.91000		mg/L	0.220	10	
		BPA0703-MS1	Matrix Spike	0.91200	6.0131	6.0131	5.0505	mg/L	0.00	10	80 - 120
		BPA0703-MSD1	Matrix Spike Duplicate	0.91200	6.0354	6.0354	5.0505	mg/L	0.00	10	80 - 120
Sulfate	BPA0703	BPA0703-DUP1	Duplicate	201.95	202.12	202.12	101.01	mg/L	0.0841	10	
		BPA0703-MS1	Matrix Spike	201.95	300.80	300.80	101.01	mg/L	0.306	10	80 - 120
		BPA0703-MSD1	Matrix Spike Duplicate	201.95	301.12	301.12	101.01	mg/L	0.306	10	80 - 120
Iron (II) Species	BPA0742	BPA0742-DUP1	Duplicate	ND	ND	ND		ug/L		10	
Total Alkalinity as CaCO3	BPA1058	BPA1058-DUP1	Duplicate	186.34	189.20	189.20	125.00	mg/L	1.52	10	
		BPA1058-MS1	Matrix Spike	186.34	315.66	315.66	125.00	mg/L	0.976	10	80 - 120
		BPA1058-MSD1	Matrix Spike Duplicate	186.34	313.76	313.76	125.00	mg/L	0.976	10	80 - 120



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (Metals) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source		Spike Added	Units	RPD	Percent Recovery	Control Limits	
				Result	Result					RPD	Percent Recovery
Manganese	BPA1057	BPA1057-DUP1	Duplicate	7.7995	7.9901	204.08	ug/L	2.41	108	20	75 - 125
		BPA1057-MS1	Matrix Spike	7.7995	227.25	204.08	ug/L	4.74	103	20	75 - 125
		BPA1057-MSD1	Matrix Spike Duplicate	7.7995	217.43	204.08	ug/L				

BC Laboratories

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. *The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Lab Quals	Control Limits	
											Percent Recovery	RPD
Benzene	BPA0857	BPA0857-BS1	LCS	27.930	25.000	0.50	ug/L	112	70 - 130		70 - 130	
Toluene	BPA0857	BPA0857-BS1	LCS	28.210	25.000	0.50	ug/L	113	70 - 130		70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BPA0857	BPA0857-BS1	LCS	10.050	10.000		ug/L	100	76 - 114		76 - 114	
Toluene-d8 (Surrogate)	BPA0857	BPA0857-BS1	LCS	10.070	10.000		ug/L	101	88 - 110		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPA0857	BPA0857-BS1	LCS	10.410	10.000		ug/L	104	86 - 115		86 - 115	



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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (General Chemistry) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Lab Quals	Control Limits	
											Percent Recovery	RPD
Nitrate as N	BPA0703	BPA0703-BS1	LCS	5.1520	5.0000	0.10	mg/L	103			90 - 110	
Sulfate	BPA0703	BPA0703-BS1	LCS	104.49	100.00	1.0	mg/L	104			90 - 110	
Iron (II) Species	BPA0742	BPA0742-BS1	LCS	2053.8	2000.0	100	ug/L	103			90 - 110	
Total Alkalinity as CaCO3	BPA1058	BPA1058-BS1	LCS	104.11	100.00	2.5	mg/L	104			90 - 110	

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Project: 0353
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery		RPD	Lab Quals
								Recovery	RPD		
Manganese	BPA1057	BPA1057-BS1	LCS	216.46	200.00	10	ug/L	108			
								Control Limits			
								Percent Recovery	RPD	85 - 115	

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Project: 0353
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.12	
Ethylbenzene	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.12	
Methyl t-butyl ether	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.12	
Toluene	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BPA0857	BPA0857-BLK1	ND	ug/L	1.0	0.37	
t-Amyl Methyl ether	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.49	
t-Butyl alcohol	BPA0857	BPA0857-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.25	
Ethanol	BPA0857	BPA0857-BLK1	ND	ug/L	250	110	
Ethyl t-butyl ether	BPA0857	BPA0857-BLK1	ND	ug/L	0.50	0.25	
Total Purgeable Petroleum Hydrocarbons	BPA0857	BPA0857-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BPA0857	BPA0857-BLK1	88.3	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPA0857	BPA0857-BLK1	100	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPA0857	BPA0857-BLK1	104	%	86 - 115 (LCL - UCL)		



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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (General Chemistry) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Nitrate as N	BPA0703	BPA0703-BLK1	ND	mg/L	0.10	0.012	
Sulfate	BPA0703	BPA0703-BLK1	ND	mg/L	1.0	0.12	
Iron (II) Species	BPA0742	BPA0742-BLK1	ND	ug/L	100	100	
Iron (III) Species	BPA0876	BPA0876-BLK1	ND	ug/L	100	100	
Total Alkalinity as CaCO3	BPA1058	BPA1058-BLK1	ND	mg/L	2.5	2.5	



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Project: 0353
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/30/06 11:46

Water Analysis (Metals) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Manganese	BPA1057	BPA1057-BLK1	ND	ug/L	10	5.3	



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Project: 0353
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Reported: 01/30/06 11:46

Notes and Definitions

- J Estimated value
- A01 PQL's and MDL's are raised due to sample dilution.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Submission #: 06-00544 Project Code: TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery BC Lab Field Service Other (Specify)

SHIPPING CONTAINER

Ice Chest None Box Other (Specify)

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals: Ice Chest Containers None Intact? Yes No Intact? Yes No Comments:

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received YES NO

Ice Chest ID Temperature: 5.1 °C Thermometer ID: #48

Emissivity 1.00 Container OT Amber

Date/Time 1/17/06 Analyst Init NAL 1605

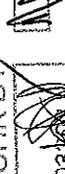
Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various analytical methods like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten entries include 'D.E.F', 'B', 'A. #', and 'C'.

Comments:

Sample Numbering Completed By: [Signature] Date/Time 1/17/06 2030

EC LABORATORIES, INC.

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(661) 327-4911 □ FAX (661) 327-1913

CHK BY 

DISTRIBUTION



SUB-CHAIN OF CUSTODY

#06-00574

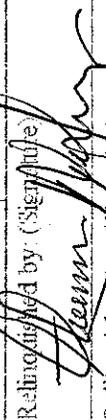
Analysis Requested

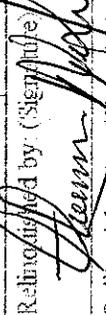
Circle one: Phillips 66 / Unocal	Consultant Firm: TRC	Matrix (GW) Ground-water (S) Soil (VW) Waste-water (SL) Sludge	8260 full list w/ MTFE & oxygenates	TPH DIESEL by 8015	TPH GAS by 8015M	8260 full list w/ MTFE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH by 8260B	Dissolved Manganese/ Ferrous Iron,	Ferric Iron, Nitrate, Sulfate, Total Alkalinity	Turnaround Time Requested
Address: 200 South Central ave	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan											STD / Hours HCL
City: Glendale	4-digit site#: 0353											
State: CA Zip: Shari	Workorder # 4711MC502											
Phillips 66 / Unocal Mgr: London	Project #: 200-400-83											
Lab#	Sample Description	Field Point Name	Date & Time Sampled									
* MW-9	-1	0353	01-17-06 0658					X	X	X	X	X
MW-7	-2		01-17-06 0745					X	X	X	X	X
MW-5	-3		01-17-06 0828					X	X	X	X	X
MW-6	-4		01-17-06 0858					X	X	X	X	X
MW-2	-5		01-17-06 0932					X	X	X	X	X

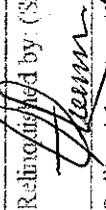
SELECT HOLDING TIME	
CO ₂	NO ₃
DO	BOD
MBAS	C
O ₂	T

Comments: Short Holdings TIME any well MW-7

GLOBAL ID: T0603728619

Relinquished by (Signature): 

Relinquished by (Signature): 

Relinquished by (Signature): 

Received by: 

Received by: 

Received by: 

Date & Time: 1-17-06 1235

Date & Time: 1/17/06 1615

Date & Time:

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

LA

Short holding Time

EC LABORATORIES, INC.

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(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC	MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8019	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPPH by 8260B	Dissolved Manganese	Ferrus Iron / Ferric Iron	Nitrate / Sulfate / Alkalinity	Turnaround Time Requested
Address: 200 S. Central Ave	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan												
City: Glendale	4-digit site#: 0353												
State: CA Zip: Shari	Workorder # 4711TRCS02												
Phillips 66 / Unocal Mgr: London	Project #: 2004083												
Lab#	Sample Description	Field Point Name	Date & Time Sampled										
	MW-8 -6	0353	1/17/06 0647					X	X	X	X	X	570
	MW-4 -7	0353	1/17/06 0730					X	X	X	X	X	X
	MW-1A -8	0353	1/17/06 0843					X	X	X	X	X	X
	MW-3A -9	0353	1/17/06 0900					X	X	X	X	X	X

Comments:

Relinquished by: (Signature) *Edmund Sanchez* Date & Time: 1-17-06 1235

Relinquished by: (Signature) *Muma Jayaram* Date & Time: 1/17/06 1615

Relinquished by: (Signature) _____ Date & Time: _____

GLOBAL ID: 70603728619

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

TRC

**Receipt of Manifest
is Pending**

(February 2, 2006)

21 Technology Drive • Irvine, California 92618

Main: 949-727-9336 • Fax: 949-727-7399

www.trcsolutions.com



LIMITATIONS

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.